Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-17061-01-00 according to ISO/IEC 17025:2005

Period of validity: 31.03.2017 to 30.03.2022 Date of issue: 31.03.2017

Holder of certificate:

Bureau of Standards, Jamaica (BSJ)

with its calibration laboratory:

Mass Metrology Laboratory and Flow & Volume Metrology Laboratory
6 Winchester Road, P. O. Box 113, Kingston 10, Jamaica W. I.

Head:	Mr. Rupert Rigg
Deputy:	Mr. Carl Simpson
	Mr. Romaine Annakie
	Mr. Dave Elliston

Accredited since: 02.12.1998

Calibrations in the fields:

Mechanical quantities

- **Mass (mass standards)**

Chemical analysis, reference materials

- **Volume of liquids**

Abbreviations used: see last page

Permanent Laboratory

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability [1)]	Remarks
Conventional Mass	1 mg, 2 mg, 5 mg	OIML R 111-1: 2004 (E)	0.006 mg	For weight pieces according to OIML recommendation R 111-1:2004, Class F_1
	10 mg		0.008 mg	
	20 mg		0.010 mg	
	50 mg		0.012 mg	
	100 mg		0.016 mg	
	200 mg		0.020 mg	
	500 mg		0.025 mg	
	1 g		0.03 mg	
	2 g		0.04 mg	
	5 g		0.05 mg	
	10 g		0.06 mg	
	20 g		0.08 mg	
	50 g		0.10 mg	
	100 g		0.16 mg	
	200 g		0.3 mg	
	500 g		0.8 mg	
	1 kg		1.6 mg	
	2 kg		3.0 mg	
	5 kg		8.0 mg	
	10 kg		16 mg	
	20 kg		30 mg	
Conventional Mass	> 1 mg to 5 mg		0.006 mg	For free nominal values
	> 5 mg to 10 mg		0.008 mg	
	> 10 mg to 20 mg		0.010 mg	
	> 20 mg to 50 mg		0.012 mg	
	> 50 mg to 100 mg		0.016 mg	
	> 100 mg to 200 mg		0.020 mg	
	> 200 mg to 500 mg		0.025 mg	
	> 500 mg to 1 g		0.03 mg	
	> 1 g to 2 g		0.04 mg	
	> 2 g to 5 g		0.05 mg	
	> 5 g to 10 g		0.06 mg	
	> 10 g to 20 g		0.08 mg	
	> 20 g to 50 g		0.10 mg	
	> 50 g to 100 g		0.16 mg	
	> 100 g to 200 g		0.3 mg	
	> 200 g to 500 g		0.8 mg	
	> 500 g to 1 kg		1.6 mg	
	> 1 kg to 2 kg		3.0 mg	
	> 2 kg to 5 kg		8.0 mg	
	> 5 kg to 10 kg		16 mg	
	> 10 kg to 20 kg		30 mg	

[1)] The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 95% and have a coverage factor of $k = 2$ unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability [1)]	Remarks
Volume Test Measures (prover)	5 L	Gravimetric Calibration by double substitution method	0.05 %	Reference temperature is 20 °C. The BMC refers to the nominal value.
	20 L			
	5 L	Volumetric Calibration EURAMET cg-21 Version 1.0	0.08 %	Reference temperature is 20 °C. The BMC refers to the nominal value.
	20 L			

Abbreviations used:

OIML International Organization of Legal Metrology

EURAMET European Association of National Metrology Institutes

[1)] The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 95% and have a coverage factor of $k = 2$ unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.